BRUHATH BANGALORE MAHANAGARA PALIKE

SCHEDULE - B

Name of Work : Detailed Estimate for Improvements to Main & Cross roads at Kodandaramaswamy temple back side road & Kammogondanahalli Cross roads, in ward no. 12 , in shettyhalli Sub-Division

Sl. No	Description	Unit	Qty	Approved Rates	
				In Figs	In Words
1	Earthwork in surface excavation in Hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.–do–Hard soil	Cum	1321.47	177.12	Rupees one hundred seventy seven and twelve paise only
2	Providing and filling sand in foundation upto plinth to required depth for sub soil treatement including watering ramming with all lead and lift complete as per specifications	Cum	218.40	1760.40	Rupees one thousand seven hundred and sixty and forty paise only
3	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	4286.00	2.59	Rupees two and fifty nine paise only
4	Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	845.10	1121.04	Rupees One thousand one hundred and twenty one and zero four paise only
5	Providing and laying surface dressing as wearing course in single coat using crushed stone aggregates of specified size on a layer of bituminous binder laid on prepared surface and rolling with 8-10 tonne smooth wheeled steel roller complete as per specifications. Case - I :- 19 mm nominal chipping size	Sqm	3380.40	97.20	Rupees ninety seven and twenty paise only

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6	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 /75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications.With 80/100 grade bitumen	Cum	65.25	6646.32	Rupees six thousand six hundred forty six and thirty two paise only
7	Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechancial broom. complete as per specifications. Using Bitumen Emulsiion	Sqm	4286.00	11.99	Rupees eleven and ninety nine paise only
8	Providing and laying bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications.30-45mm compacted thickness (Grading II) with 6% Bitumen 60/70	Cum	190.85	9631.44	Rupees nine thousand six hundred thirty one and forty four paise only
9	Carriage of mixed materials 10kms for item of sl. No. (1) Rs. 5.20 per cum/km	Cum	256.09	56.16	Rupees fifty six and sixteen paise only

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10	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications	Sqm	263.60	463.22	Rupees four hundred sixty three and twenty two paise only
11	Disposal of debries to the final place of disposal with all lead and lift and as direction by the Engineer in charge of the work, lead 10 Kms a) Basic rate for haulage of materials as per item No.17.4 etc Rs. 2.00 Tonne/km b) Average earth of work 1.28 Tonne/km for Rs. 2.00/km. c) Add loading and unloading	Cum	1321.47	72.71	Rupees Seventy two and seventy one paise only

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